



⁷⁷See Wind Service Holland, “Off- and Nearshore Wind Energy: Operational Projects,” at <http://home.wxs.nl/~windsh/offshore.html> (accessed February 2, 2009).

⁷⁸North Carolina Wind Stations and Nearshore Bathymetry. [computer map]. 1:3,000,000. Department of Marine Sciences [GIS data files]. Chapel Hill, N.C.: UNC Chapel Hill, 2008. Using ArcGIS [GIS software]. Version 9.2. Redlands, CA: Environmental Systems Research Institute, 1992-2008. According to the bathymetry map from the UNC Department of Marine Sciences, the offshore 20-meter and 30-meter depth lines meander off the coast of North Carolina so the distance from shore is not uniform.

⁷⁹Peter Fairley, “Wind Power That Floats,” Technology Review, at <http://www.technologyreview.com/energy/20500/?a=f> (April, 2, 2008).

⁸⁰Geotimes, “The Wind Over the Waves: Is Offshore Wind Power the Renewable Energy of the Future” (April 2008) (“cost can be 50 to 100 percent higher for offshore than onshore”).

⁸¹Geotimes, “The Wind Over the Waves: Is Offshore Wind Power the Renewable Energy of the Future” (April 2008). In 2008, the Long Island Power Authority released a study concluding over a 20-year period the cost of building and connecting its proposed 40-turbine offshore facility would cost consumers an extra \$66 million per year.

⁸²“A Few Snags, but Hopes Are Still Hill for Offshore Wind in Texas,” The New York Times (October 10, 2008) (WEST is still looking for investors for its proposed 62-turbine farm that would be located off the coast of Galveston, losing two investors in 2008, Lehman Brothers and Wachovia, as a result of the economic downturn.)

⁸³See Reuters, “Bluewater To Work With Delaware On Wind Farm” (November 12, 2007), at <http://uk.reuters.com/article/environmentNews/idUKN0823936520071112>.

⁸⁴The Cape Wind project is estimated to cost \$2 billion. The Bluewater Wind project to be located off the coast of Delaware is estimated to cost \$1.6 billion. Reuters, “Bluewater To Work With Delaware On Wind Farm” (November 12, 2007), at <http://uk.reuters.com/article/environmentNews/idUKN0823936520071112>.

⁸⁵The Cape Wind project area is described as in the company’s Draft EIS / EIR / DRI, p. 1-4, as “24 square miles” which is slightly smaller than the original “28 square miles.” *Id.*

⁸⁶See Cape Cod Today, quoting Mark Rodgers, Communications Director of Cape Wind, explaining why Horseshoe Shoal in Nantucket Sound was picked as the location for the Cape Wind project.

⁸⁷Information about these programs is available at the Florida Energy Office of the Governor’s Office of Energy and Climate Change at <http://www.dep.state.fl.us/energy/>.

⁸⁸Other projects that received funding related to solar energy, biodiesel fuel, and ethanol production. See <http://www.dep.state.fl.us/energy/energyact/grants.htm>.

⁸⁹Information about the different incentive programs is available at the California Energy Commission’s website at <http://www.energy.ca.gov/renewables/index.html>.

⁹⁰NC Solar Center, Coastal Wind Initiative, at http://www.ncsc.ncsu.edu/programs/The_Coastal_Wind_Initiative.cfm.

⁹¹To learn more about how a wind turbine works, visit the Department of Energy, “How Wind Turbines Work,” at http://www1.eere.energy.gov/windandhydro/wind_how.html. To learn more about how an offshore wind facility works, visit British Wind Energy Association, “How An Offshore Wind Farm Works,” at <http://www.bwea.com/offshore/how.html>.

⁹²Image courtesy Minerals Management Service, Renewable Energy and Alternate Use Program, “Technology White Paper on Wave Energy Potential on the US Outer Continental Shelf,” at http://ocsenergy.anl.gov/documents/docs/OCS_EIS_Whitepaper_Wave.pdf.

⁹³Image courtesy of The Carbon Trust, at http://www.carbontrust.co.uk/technology/technologyaccelerator/Wave_devices.htm.

⁹⁴Image courtesy of Pelamis Wave Power, at <http://www.pelamiswave.com/index.php>.

⁹⁵These descriptions are adapted from Minerals Management Service Renewable Energy and Alternate Use Program, “Technology White Paper on Wave Energy Potential on the US Outer Continental Shelf,” at http://ocsenergy.anl.gov/documents/docs/OCS_EIS_Whitepaper_Wave.pdf. The white paper itself contains more detailed descriptions of these technologies, as well as energy output estimates.

⁹⁶Image courtesy Oregon State University Wallace Energy Systems and Renewables Facility, at <http://eecs.oregonstate.edu/wesrf/>.